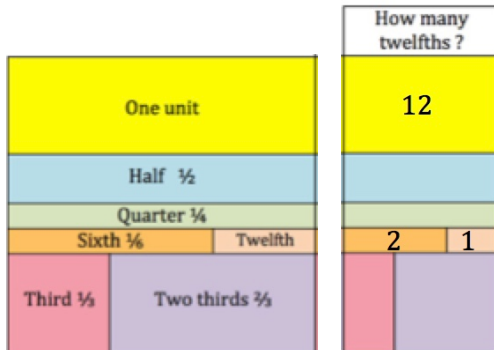


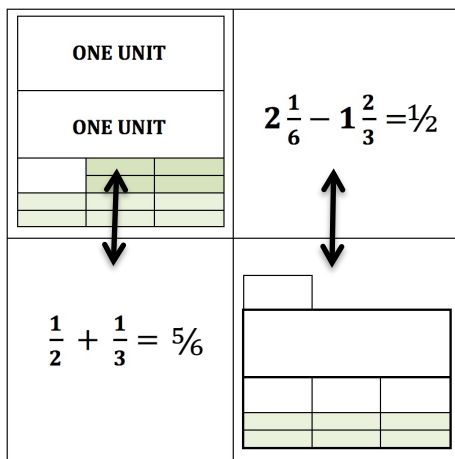
TWELFTHS

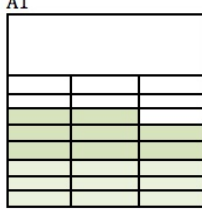
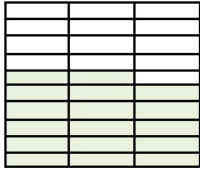
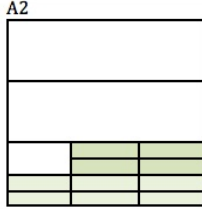
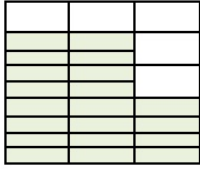
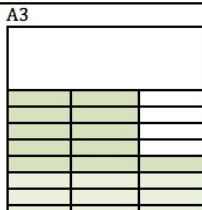
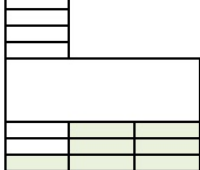
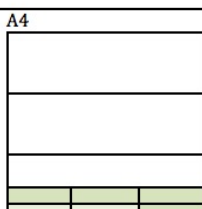
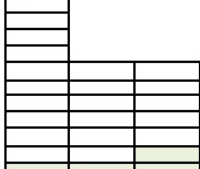
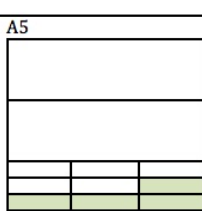

Write the number of twelfths for each fraction to match the colours. Three of the answers are filled in.



The 2 calculations below each match one of the pictures.

Each frame is 3 units.



A1 	B1 $\frac{1}{4} + \frac{1}{3} =$	S1 $2\frac{1}{6} - 1\frac{2}{3} =$	T1 
A2 	B2 $\frac{1}{6} + \frac{1}{3} =$	S2 $2\frac{1}{2} - 1\frac{1}{12} =$	T2 
A3 	B3 $\frac{3}{4} + \frac{11}{12} =$	S3 $2\frac{1}{3} - 1\frac{3}{4} =$	T3 
A4 	B4 $\frac{1}{2} + \frac{1}{3} =$	S4 $2\frac{1}{2} - \frac{5}{6} =$	T4 
A5 	B5 $\frac{3}{4} + \frac{2}{3} =$	S5 $2\frac{1}{3} - 1\frac{1}{2} =$	T5 

Now for the big challenge.

Cut out these 20 cards Can you sort them into 5 sets matching each A card with a B an S and a T card?

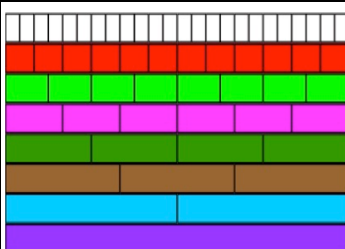
Help

Look at the picture cards (A and T sets) and match them in pairs.

What fraction of each card shows in green?

Now look at the B and S sets of cards. They give the answers to the calculations.

Now arrange the cards into 5 sets of 4 cards with one of each of the A, T, B and S cards in each set.



Extension

Write down all the fractions you can see in the diagram equivalent to:
a. three quarters, b. five sixths, c. six sixteenths d. seven twelfth, e. six twentyfourths

Explain the rules for deciding when one fraction is equivalent to another.

See: Fraction Wall <https://aiminghigh.aimssec.ac.za/grades-4-to-6-fraction-wall/>